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Urban District of Kenilworth.

ANNUAL REPORT

OF THE

HEALTH OF THE DISTRICT

FOR THE YEAR 1946,

BY

H. GIBBONS WARD, M.D., D.P.H.,

MEDICAL OFFICER OF HEALTH

OF THE

Warwickshire Combined Districts.

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1, MILVERTON HILL,
LEAMINGTON SPA.

July, 1947.

To the Kenilworth Urban District Council.

MR. CHAIRMAN and GENTLEMEN,

Herewith the Report for 1946, this is the 28th Annual Report I have presented to you.

As in the past few years this Report is restricted to a statement of facts, but a more extended report is given by the Sanitary Inspector.

Kindness has been extended to me by members of the Council and my colleagues, for which I am most grateful.

I am, Gentlemen,

Your obedient Servant,

H. GIBBONS WARD,
Medical Officer of Health.

Kenilworth Urban District.

A. EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

Population (estimated) Mid-year, 1946	...	...	9,690
Birth Rate	...	...	19.1
Still Births—Rate per 1,000 total births	...	...	26
Death Rate	...	...	10.2
Deaths from Diseases and Accidents of Pregnancy and Child-birth	{ From Sepsis ,, other causes		—
Death Rate of Infants under 1 year of age :—			
All Infants per 1,000 live births	...	...	49
Legitimate Infants per 1,000 legitimate live births			46
Illegitimate Infants per 1,000 illegitimate live births	...	...	85
Deaths from Measles (all ages)	...	...	—
,, Whooping Cough (all ages)	...	...	1
,, Diarrhoea (under 2 years of age)	...	...	1

The Birth-rate was higher than for the previous ten years, save in 1944.

The Death-rate was higher than in 1945, but much about the average for the past 5 years.

The Infant Mortality rate was much higher than in 1945, and also higher than that for England and Wales, viz., 43.

Statistics for England and Wales are shown at the foot of Table II.

B. GENERAL PROVISION OF HEALTH SERVICES IN THE DISTRICT.

1. *Public Health Officers*.—In addition to the staff as set out in previous reports, there was appointed in November an additional Sanitary Inspector.

3.—*Laboratory Facilities*.—Bacteriological examinations by Birmingham University :—

	Positive.	Negative.	Total.
Diphtheria	2	15	17
Enteric Fever	—	—	—
Tuberculosis	—	17	17
			34

C. SANITARY CIRCUMSTANCES OF THE DISTRICT.

1. (i) *Water Supply*.—The town is supplied with water pumped entirely by electrically operated plant, and the water is treated by a chlorinator supplied by Messrs. Turn-Over Filter Co., Ltd., of Belfast. There are 3 boreholes, only two being electrically operated until July, when the third borehole was brought into line by the installation of a Pulsometer centrifugal pump, with a capacity of 15,000 gallons per hour. At this time, the Harland Pump in No. 2 Borehole became inoperative, having been in commission since 1937. Later, during the month, the Mather & Platt Pump, in No. 1 Borehole also ceased to function, and for a matter of 36 hours the town was without any pump supply from the Mill End Station. A temporary connection between Coventry and Kenilworth afforded a supply to the urban area of 90,000 gallons per day. Work on the defective pumps was commenced immediately, necessitating the Harland Pump being completely stripped, and a number of parts renewed. The Mather & Platt Pump was lifted, examined, and brought into commission again, and the three pumps have generally been running satisfactorily since August. A set of spare working parts for the No. 1 Borehole Pump has been placed on order, and immediately these parts are to hand, this pump will be completely overhauled.

At this time, the chlorinator's main rubber supply tube burst, and for some time this was not in use. This plant has given considerable trouble since its installation.

The number of new services laid was 70 ; 7 have been renewed and 9 repaired.

A 4in. main was laid in Common Lane, connecting the existing main in that road to the distributing main in Coventry Road.

A burst occurred on the 6in. supply main in Birches Lane, and this was immediately repaired.

97,417,000 gallons of water were recorded as pumped, giving an average of 266,896 gallons per day, as against 257,315 gallons per day in 1945.

The supply generally has been satisfactory, both in quality and quantity ; 19 specimens of raw water were taken for bacteriological examination, and the results showed that the water still maintains its high standard of purity.

Tenders have been invited for the sinking of a trial borehole on the Birmingham Road site.

No special action was taken for treatment of contaminated water.

The majority of houses in the district are fitted with bib taps inside the house, and it is estimated that of the houses, some $6\frac{1}{2}$ per cent. are supplied by means of stand-pipes, and of the population, about ten per cent. are so supplied.

Water mains serve all but the very isolated parts of the district.

(ii) *Drainage and Sewerage*.—No extensions have been made to the sewerage system.

The Sewage Disposal Works generally has worked satisfactorily, although modifications will soon be required, in view of the large flow that is having to be dealt with.

Tan waste was received at the Disposal Works on one occasion during the year, and this was satisfactorily disposed of.

During the year one sewer connection was made, and 23 sewer stoppages were removed.

2. *Rivers and Streams*.—The brook in Henry Street was cleaned out.

3.—*Public Cleansing*.—House refuse collection is still carried out on a fortnightly basis. All property is provided with moveable, covered, metal dustbins, and a fortnightly system is also in operation for the collection of paper, bones and rags. The following materials were sold during the year :—

Paper	...	...	...	32 tons.
Bones	...	...	...	$7\frac{3}{4}$ cwt.
Rags	...	...	...	$14\frac{3}{4}$ cwt.
" Cullet "	...	...	...	7 cwt.
Metal	...	...	...	2 tons 5 cwt.

D. HOUSING.

The usual Table has been completed and is being kept for reference.

E. INSPECTION AND SUPERVISION OF FOOD.

(a) *Milk Supply*.—The number of registrations under the Dairies, Cowsheds and Milkshops Order is 28 ; of these 10 were retailers only, 6 producer-retailers, and 12 were

producers only. Premises have been visited at intervals, and 2 informal notices requiring cleansing and minor alterations have been served and complied with.

Three persons are licensed for the sale of Pasteurised Milk, and two for the sale of Tuberculin Tested Milk.

(b) *Meat*.—Visits have been made by the Inspector as required.

(c) *Other Trades*.—Bakehouses have been inspected. No action was found to be necessary.

F. PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASE.

Incidence of Commoner Infectious Diseases since 1938.

		Diphtheria.	Scarlet Fever.	Enteric Fever.	Pneumonia	Encephalitis Lethargica.	Puerperal Pyrexia.
1939	...	8	61	—	7	—	2
1940	...	10	14	4	18	—	1
1941	...	9	16	2	6	—	1
1942	...	3	11	—	1	—	1
1943	...	—	15	—	16	—	—
1944	...	2	19	—	3	—	—
1945	...	—	30	1	1	—	—
1946	...	5	20	—	9	—	1

Reference to Table III. will give the age distribution of the cases notified.

Scarlet Fever.—The number of cases was less than in 1945. A number of the cases notified attended one school, but the others were well distributed throughout the town.

Diphtheria.—Five cases were notified, three had not been immunised, a fourth in 1941, and in only one case was immunisation considered satisfactory.

Diphtheria Immunisation.—Immunisation continued during the year, and up to December, 31st, 1147 school children had been treated, and 567 children either privately or at Infant Welfare Centres, giving a total of 1,714.

School Closures.—Nil.

TUBERCULOSIS.

PREVALENCE OF, AND CONTROL OVER, TUBERCULOSIS.

AGE—PERIODS			NEW CASES.						DEATHS.					
						Non-						Non-		
			Pulmonary.	Pulmonary.	Pulmonary.	Pulmonary.	Pulmonary.	Pulmonary.	Pulmonary.	Pulmonary.	Pulmonary.	Pulmonary.	Pulmonary.	Pulmonary.
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
0	—	—	...	—	—	...	—	—	...	—	—
1	—	—	...	—	—	...	—	—	...	—	—
5	—	1	...	—	—	...	—	—	...	—	—
15	2	—	...	—	—	...	—	—	...	—	—
25	1	—	...	—	—	...	1	—	...	—	—
35	2	1	...	—	—	...	1	—	...	—	—
45	—	—	...	—	—	...	—	—	...	—	—
55	2	—	...	—	—	...	—	—	...	—	—
65 and upwards	—	—	...	—	—	...	1	—	...	—	—
TOTALS			...	7	2	...	—	—	...	3	—	...	—	—

9 new cases of tuberculosis were notified during the year, 9 being of pulmonary tuberculosis, and none of other forms.

3 deaths were due to pulmonary and none to non-pulmonary tuberculosis.

Tuberculosis.—The following table shews the cases notified, and deaths for the past 20 years:—

	1927	1928	1929	1930	1931	1932	1933
Cases	16	13	12	9	10	9	7
Deaths	6	10	7	6	5	9	3
	1934	1935	1936	1937	1938	1939	1940
Cases	6	10	10	10	9	10	19
Deaths	8	5	5	4	4	4	4
	1941	1942	1943	1944	1945	1946	
Cases	14	11	9	10	9	9	
Deaths	8	5	2	3	1	3	

Treatment.—1 case was admitted to the Sanatorium for treatment during the year, 2 discharged.

REPORT OF SANITARY INSPECTOR.

*To the Chairman and Members of the
Kenilworth Urban District Council.*

GENTLEMEN,

I have much pleasure, as Sanitary Inspector, in submitting my Annual Report for the year ending 31st December, 1946.

Nuisances.

Notices were served in respect of 253 nuisances, details of which are set out in Table I.

Infectious Diseases Notification.

29 cases of acute Infectious Disease, other than Tuberculosis, were notified during the year, and of these, 21 cases were Scarlet Fever; 7 Diphtheria and 1 Erysipelas; 18 of the Scarlet Fever cases and 7 Diphtheria were removed to the Isolation Hospital, and the premises were disinfected in all instances.

Tuberculosis.

Disinfectants are supplied free to necessitous persons suffering from Tuberculosis.

Disinfection was carried out in connection with one case during the year.

Disinfection of Premises.

In addition to the disinfection referred to above, one house was disinfected after skin disease, and two after death.

Bedding was fumigated in four instances. It has not been found necessary to destroy any bedding during the year.

Water Supply.

The Water Undertaking has given satisfactory results, with the exception of the period July, when the then two existing electrical pumps broke down, and it was necessary for a short period to obtain a supply of water from Coventry, via the temporary connection at Burton Green. Both pumps were repaired, and a Pulsometer Pump installed in No. 3 Borehole during the same period. All have since worked satisfactorily, and are maintaining their designed out put of:—

No. 1 Borehole.	Mather & Platt Pump.	8,000 gallons per hour
No. 2 Borehole.	Harland Pump.	12,000 gallons per hour
No. 3 Borehole.	Pulsometer Pump.	15,000 gallons per hour

No Certificates have been issued under the Public Health Water Act of 1878.

Drainage and Sewerage.

All high points on the sewers where the flow is small are flushed at regular intervals.

The number of sewer stoppages removed during the year was 23.

One 9in. sewer extension was made of 100 yards in the south side of Randall Road.

Sewage Disposal.

The Sewage Disposal Works has functioned as well as can be expected in view of its overloading, but it is becoming more essential that some modification should be carried out, so as to raise the standard of effluent discharged to the stream.

The settling tanks were cleaned out periodically as required, and trade waste was satisfactorily received from the tan yard, and disposed of at the works.

Public Cleansing and Salvage.

The fortnightly collection of house refuse and salvage was maintained during the year, and the materials, with certain exceptions, disposed of by controlled tipping on the Council's land in Dalehouse Lane. The exceptions are the paper disposed of to a firm in the trade, and glass bottles and jars, for which there is only an occasional demand.

Shops. (Shops Act, 1934).

No notices have been served in connection with shop premises under the above Act.

Smoke Abatement.

No complaints have been received in connection with smoke abatement, and no action has been necessary during the year.

Open Air Bathing Pool.

The Open Air Bathing Pool was opened on the 1st June, and closed on 19th September. During that period there were 19,736 attendances.

Eradication of Bed Bugs.

No action was required in connection with the above during the year.

Meat Regulations.

One notice respecting slaughtering of pigs other than in slaughter-houses was received, and the necessary inspection made.

14 lbs. Pork, Lungs and Liver,

20 lbs. Hind Quarter Meat,

65½ lbs. Chilled Beef,

were found unfit for human consumption.

Unfit Food.

The following were inspected and condemned as unfit for human consumption, and all the items mentioned were suitably destroyed :—

Tinned Foodstuffs	...	...	241 packages.
Sausage	...	...	47 lbs.
Butter	...	...	1½ lbs.
Turnips	...	...	$\frac{3}{4}$ cwt.
Flour	...	...	88 lbs.
Sausage Meat	...	...	28 lbs.
Kippers	...	...	7 stones.
Prunes	...	...	50 lbs.
Tea	...	...	1¼ lbs.
Beans	...	...	100 lbs.
Dessert Powder	...	...	11 lbs.

Factories and Workshops.

The number on the register is 23. Inspections have been made, but no notices were necessary.

Bakehouses.

Inspections have been made, but no notices were served.

Milk and Dairies Order, 1826.

The number of registrations under the above Order is 28 ; of these 10 are retailers only, 6 producer-retailers, and 12 producers only.

Three persons were registered to sell Pasteurised Milk, and two to sell T.T. milk.

Registered premises have been inspected during the year, but no notices were served.

Rats and Mice (Destruction) Act, 1919.

Rat extermination has continued, and in addition to the normal work, notifications were received of 23 other cases, all of which were attended to.

New Buildings.

During the year plans have been passed for the erection of the following :—

- 69 Houses and Bungalows.
 - 1 House and Shop.
 - 3 Temporary Bungalows.
- 16 Additions and Alterations to Houses.
- 4 Workshops and Additions.
- 13 Garages.
- 3 Factories and Additions.
- 1 Central Kitchen.
- 5 Miscellaneous Buildings.

I am, Gentlemen,

Your obedient Servant,

G. A. J. EDMUNDSON,
Surveyor, Water Engineer and Sanitary Inspector.

TABLE I.

KENILWORTH URBAN DISTRICT.

SUMMARY OF SANITARY WORK DONE IN THE SANITARY INSPECTOR'S
DEPARTMENT DURING THE YEAR 1946.

				Inspections and Observations made.	Notices served.		Nuisances Abated after Notices.
					Statu- tory.	In- formal.	
Dwelling Houses and Schools	...	...	...	334	—	62	36
Lodging Houses	...	...	...	—	—	—	—
Dairies and Milk Shops	...	...	...	22	—	—	—
Cowsheds	...	...	...	2	—	—	—
Bakehouses	...	...	...	6	—	—	—
Slaughter Houses	...	...	...	3	—	—	—
Canal Boats	...	...	...	—	—	—	—
Ashpits and Privies	...	...	...	—	—	—	—
Deposits of Refuse and Manure	...	...	...	20	—	20	20
Water Closets	...	...	...	99	—	28	28
House Drainage	...	...	...	48	—	36	36
Other Nuisances	...	...	...	54	—	6	5
Water Supply	...	...	...	283	—	101	101
TOTALS	...	...	...	871	—	253	226

				No.
Seizures and Surrenders of Unwholesome Food	...	...	...	24
Samples of Food taken for analysis (Milk)	...	...	...	—
Samples of Food found adulterated	...	...	...	—
Samples of Water taken for analysis	...	...	...	19
Samples of water condemned as unfit for use...	...	...	...	—

PRECAUTIONS AGAINST INFECTIOUS DISEASE.

Lots of Infected Bedding disinfected or destroyed	...	...	...	4
Houses Disinfected after cases of Infectious Disease	...	...	...	29
Schools ditto ditto ditto	...	...	...	—
Prosecutions for Exposure of Infectee Persons or Things	...	...	...	—
Convictions ditto ditto ditto	...	...	...	—
Prosecutions for not notifying Existence of Infectious Disease	...	...	...	—
Convictions ditto ditto ditto	...	...	...	—

G. A. J. EDMUNDSON,
Surveyor, Water Engineer and Sanitary Inspector.

TABLE II.

KENILWORTH URBAN DISTRICT.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1946 AND PREVIOUS YEARS.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		NETT DEATHS BELONGING TO THE DISTRICT.			
		Nett.		Under 1 Year of age.		At all Ages.	
		Number.	Rate.	Number.	Rate per 1,000 Nett Births.	Number.	Rate.
1	2	3	4	5	6	7	8
1940	9,710	171	17.6	9	51	139	14.3
1941	10,840	181	16.7	8	44	140	12.9
1942	10,280	170	16.6	6	35	101	9.8
1943	10,010	168	16.8	3	18	92	9.2
1944	9,730	199	20.5	9	45	101	10.4
1945	9,470	177	18.7	5	28	94	9.9
1946	9,690	185	19.1	9	49	99	10.2

VITAL STATISTICS IN ENGLAND AND WALES, 1946.

ENGLAND AND WALES.

*Birth-rate, Death-rate, and Infantile Mortality during the Year 1946.
(Provisional Figures).*

Annual Rate per 1,000 Population.

			Live Births	Still Births.	Deaths.	Deaths under one year to 1,000 Births.
England and Wales	...	...	19.1	0.53	11.5	43
126 Great Towns, including London			22.2	0.67	12.7	46
148 Smaller Towns	...	...	21.3	0.59	11.7	37
London	...	...	21.5	0.54	12.7	41

TABLE III.
KENILWORTH URBAN DISTRICT.
CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE
YEAR 1946.

NOTIFIABLE DISEASE.	Number of Cases notified.								Total cases removed to Hospital	Total Deaths.
	At all Ages.	At Ages—Years.								
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.		
Small-pox										
Plague										
Diphtheria (including Mem- branous Croup)	5	.....	1	4	.....				5	
Erysipelas	1	.....				1				
Scarlet Fever	20	.....	5	14	1	.....			18	.....
Typhus Fever										
Enteric Fever										
Pneumonia	9	.....		1	3	.....	4	1	.....	2
Malaria										
Dysentery										
Puerperal Pyrexia ...	1	.....				1				
Cerebro-spinal Meningitis										
Poliomyelitis										
Encephalitis Lethargica										
Ophthalmia Neonatorum										
Polio-Encephalitis ...										
Pulmonary Tuberculosis	9	.....		1	2	4	2	.....		3
Other forms of Tuberculosis		.....							
Totals	45	—	6	20	6	6	6	1	23	5

TABLE IV.
KENILWORTH URBAN DISTRICT.

CAUSES OF DEATH DURING THE YEAR 1946.

CAUSES OF DEATH.	MALES.	FEMALES.
All Causes	60	39
1 Typhoid and Paratyphoid Fevers ...	—	—
2 Cerebro Spinal Fever	—	—
3 Scarlet Fever	—	—
4 Whooping Cough	1	—
5 Diphtheria	—	—
6 Tuberculosis of Respiratory System ...	3	—
7 Other Forms of Tuberculosis	—	—
8 Syphilitic Diseases	—	—
9 Influenza	2	—
10 Measles	—	—
11 Ac. Polio-Myel and Polio-Enceph. ...	—	—
12 Ac. Infant Enceph.	—	1
13 Cancer of B. Cav. and Oesoph (M.) Uterus (F.)	1	—
14 Cancer of Stomach and Duod.	1	2
15 Cancer of Breast	—	4
16 Cancer, other Sites	8	3
17 Diabetes	—	—
18 Intra Cran. Vasc. Lesions... ..	5	8
19 Heart Disease	13	11
20 Other Dis. Circ. Sys.	2	1
21 Bronchitis	4	2
22 Pneumonia	2	—
23 Other Resp. Diseases	—	—
24 Ulcer of Stomach and Duod.	2	—
25 Diarrhoea (under 2 years)... ..	1	—
26 Appendicitis	—	—
27 Other Digestive Diseases	2	1
28 Nephritis	1	1
29 Puer. and Post Abort Sepsis	—	—
30 Other Maternal Causes	—	—
31 Premature Birth	2	1
32 Con. Mal., Birth Inj., etc.... ..	3	1
33 Suicide	2	—
34 Road Traffic Accidents	1	—
35 Other Violent Causes	—	1
36 All Other Causes	4	2

